



OMB No. 2010-0032  
Expiration Date 08/30/06

## **2005 Performance Track Annual Performance Report**

### **Naval Undersea Warfare Center Division, Newport A010035**

**Year 2 Annual Performance Report  
Member Since 2001 (2nd Member Term)**

## SECTION A: GENERAL FACILITY INFORMATION

### A.1 Name of your facility:

Naval Undersea Warfare Center Division, Newport

### A.2 Name of your parent company:

Naval Sea Systems Command, Department of the Navy

### A.3 Facility contact person for the Performance Track program:

**Name:** Ms. Elizabeth Gilmore  
**Title:** Environmental Protection Specialist  
**Phone:** 401-832-5867  
**Fax:** 401-832-4745  
**Email:** GilmoreES@npt.nuwc.navy.mil

### A.4 Facility location:

**Street Address:** 1176 Howell Street  
**Address Cont:**  
**City:** Newport  
**State:** RI  
**Zip Code:** 02841

#### Mailing address (if different from above):

**Mailing Address:**  
**Address Cont:**  
**City:**  
**State:**  
**Zip Code:**

**If your facility has multiple street addresses,  
please list any other addresses for its sites or buildings.**

### A.5 Facility's website address (if any):

<http://www.npt.nuwc.navy.mil>

### A.6 Number of employees (full-time equivalents) who currently work in the facility:

More than 1,000

### A.7 North American Industrial Classification System (NAICS) Code(s) that is(are) used to classify business at the facility:

928110

### A.8 In your application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any (additional) changes to your facility's list of products and/or activities?

No

**If yes, please list them here:**

**A.9 Have the environmental requirements applicable to your facility changed during this reporting period?**

No

If yes, please describe these changes here:

**A.10 Is your facility extending its hazardous waste storage times under the "Performance Track Hazardous Waste Accumulation Rule" in accordance with 40 CFR 262.34?**

No

## Section B: ENVIRONMENTAL MANAGEMENT SYSTEM

**B.1.a When was an EMS assessment last conducted by an independent party at your facility?**

2005

If an assessment was conducted during 2005, please provide the type (e.g., ISO 14001 certification), the scope, and the month(s) of each assessment.

Type	Scope	Dates
ISO 14001 surveillance audit	Surveillance audit conducted included examination of documentation, sample observations of activities at the facility and interviews with targeted and randomly selected employees. A summary review of communications and environmental management program as well as a detailed audit of EMS Documentation, Document Control, Operational Control, Emergency Preparedness & Response, Monitoring & Measurement, Nonconformance and Corrective & Preventive Actions, Records, EMS Audits, and Management Review.	August 2005

**B.1.b When was an internal EMS assessment last conducted at your facility?**

2005

If an assessment was conducted during 2005, please provide the scope and month(s) of each assessment.

Scope	Dates
Internal audit reviewed the following areas: Environmental aspects, significant aspects, objectives and targets, legal requirements, structure & responsibility, training, communication, document control, records, PCAR process, management review, EMSIP, as well as the Hazardous Waste Program, Solid Waste Program, Air Program and Water Program	February 2005

**B.1.c When was an internal or corporate compliance audit last conducted at your facility?**

2005

If an audit was conducted during 2005, please provide the scope and the month(s) of each audit, and indicate who conducted the audit(s) (e.g., facility staff, corporate groups, third party). (Don't include audits, inspections, or site visits by regulatory or external organizations).

Scope	Dates	Who conducted the audit
monthly compliance inspections of the facility are conducted throughout the quarter	January 2005	members of the Environmental Division
monthly compliance inspections of the facility are conducted throughout the quarter	April 2005	members of the Environmental Division
monthly compliance inspections of the facility are conducted throughout the quarter	July 2005	members of the Environmental Division
monthly compliance inspections of the facility are conducted throughout the quarter	December 2005	members of the Environmental Division

**B.1.d (Optional) If you would like to describe any other audits or inspections that were conducted at your facility, please do so here.**

Weekly inspections of facility's less-than-90-day hazardous waste storage area, monthly inspections of SPCC areas of concern, monthly inspections of parts washers; Safety inspections of the facility on a continuous basis.

**B.1.e Briefly summarize corrective actions taken and other improvements made as a result of your EMS assessments and compliance audits.**

EMS Audit record retention time was included into the Audit Procedure as a result of a nonconformance from the third party surveillance audit. Identified 3 Compliance Findings, 1 EMS Finding, and 1 Best Management Practice as a result of inspections conducted. Compliance Findings were identified in the areas of Improper storage of fluorescent tubes, Improper storage of hazardous materials, and Improper disposal of hazardous waste. Corrective actions were issued, reviewed and corrected. All actions were closed in a timely manner.

**B.1.f Has your facility corrected all instances of potential non-compliance and EMS non-conformance identified during your audits and other assessments?**

Yes

**If no, please explain your plans to correct these instances.**

**B.1.g When was the last Senior Management review of your EMS completed?**

March 05

**Who was the senior manager present at the review?**

**Name:** Mr. J. C. Mickey

**Title:** Commanding Officer

**B.2.a ISO 14001 Certification. Is your facility currently certified to ISO 14001?**

Yes

**B.2.b Is your facility a Responsible Care-certified facility?**

No

**B.3 Environmental Aspects Identification. When did your facility last conduct a systematic identification and/or review of your environmental aspects?**

February 06

## SECTION C: ENVIRONMENTAL PERFORMANCE RESULTS

### C.1 COMMITMENT 1

Naval Undersea Warfare Center Division, Newport's first commitment is to increase the facility's procurement of recycled content.

**C.1.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.**

Over 73% of all office material purchased by NUWCDIVNPT contains recycled content. This is an increase of 2% over last years' totals. NUWCDIVNPT utilizes and online procurement systems which has an automatic substitution capability to identify products of recycled content.

**Activities Conducted During 2004:** NUWCDIVNPT realized a 32% increase in the amount of office material purchased with recycled content. Our online procurement system has an automatic substitution capability for the purchase of recycled content office products.

**C.1.b Please report your facility's actual performance.**

Performance Data						
	Baseline	Year 1	Year 2	Year 3	Performance	
Calendar Year	2003	2004	2005	2006	Commitment	Units
Actual Quantity (per year)	240,272	317,398	323,746		325,000	Pounds

**C.1.c Normalized progress toward goal.**

Normalized Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	.64	1.35			
Normalized Quantity	240,272	495,934.38	239,811.85		n/a	Pounds
Basis for your Normalizing Factor:	total pounds of office material purchased					

**C.1.d Please list any other EPA voluntary programs to which you are reporting these data.**

None.

### C.2 COMMITMENT 2

Naval Undersea Warfare Center Division, Newport's second commitment is to reduce the facility's total water use.

**C.2.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.**

NUWCDIVNPT has no processes that use single pass water for cooling. The facility uses no water for its landscaping. Specifications for construction contracts include prohibition of wasteful water use practices during construction activities. Low flow urinals, commodes, and shower heads are incorporated as part of new construction and renovations. Recurring maintenance for cooling towers includes inspection, adjustment and repair of makeup and blowdown system to minimize the wastage of potable water and free cooling cycles have been instituted at four major HVAC cooling plants to provide heat rejection at lower temperatures via contact cooling in winter months, reducing cooling by evaporation that requires makeup and blowdown.

### Activities Conducted During 2004:

NUWCDIVNPT has no processes that use single pass water for cooling. The facility uses no water for its landscape plants. The facility has installed low flow flush heads. The facility has cooling towers and performs maintenance and repair to minimize the need for recharge. The reduction in our water use is attributed to an increase in water conservation efforts at the facility, as well as process water now being recycled as opposed to disposal. NUWCDIVNPT has a 15,000 gallon tank and a 6,000 gallon tank that now recycles the process water, as well as several other smaller capacity tanks.

#### C.2.b Please report your facility's actual performance.

Performance Data						
	Baseline	Year 1	Year 2	Year 3	Performance	
Calendar Year	2003	2004	2005	2006	Commitment	Units
Actual Quantity (per year)	20,519,000	12,590,000	11,416,889		12,000,000	Gallons

#### C.2.c Normalized progress toward goal.

Normalized Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	.98	.95			
Normalized Quantity	20,519,000	12,846,938.78	12,017,777.89		n/a	Gallons
Basis for your Normalizing Factor:	number of employees					

#### C.2.d Please list any other EPA voluntary programs to which you are reporting these data.

None.

## C.3 COMMITMENT 3

Naval Undersea Warfare Center Division, Newport's third commitment is to reduce the facility's total GHG emissions.

#### C.3.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.

NUWCDIVNPT has continued installation of lighting controls, variable frequency drives, water side economizers, and HVAC DDC controls retrofits. NUWCDIVNPT has applied air side economizers for winter time cooling of interior spaces wherever feasible. The facility has installed new control systems with schedules, sub-meter the laboratories, and uses demand control ventilation. NUWCDIVPT provides employee awareness, and tries new technology. For Commitment 3: The generation and distribution of both electricity and steam is outside our control. Any increase or decrease achieved by NUWCDIVNPT to meet its objective is based on consumption of utilities from a 2003 baseline.

### Activities Conducted During 2004:

NUWCDIVNPT installs lighting controls on its systems, and uses variable frequency drives on variable torque applications. NUWCDIVNPT has ENTHALPY based cooling. The facility has installed new control systems with schedules, sub-meter the laboratories, and uses demand control ventilation. NUWCDIVPT provides employee awareness, and tries new technology. For Commitment 3: The generation and distribution of both electricity and steam is outside our control. Any increase or decrease achieved by NUWCDIVNPT to meet its objective will be based on consumption of utilities from a 2003 baseline.

This is a regional challenge commitment.

### C.3.b Please report your facility's actual performance.

Performance Data					
	Baseline	Year 1	Year 2	Year 3	
Calendar Year	2003	2004	2005	2006	Units
<b>Direct Emissions</b>					
Stationary Combustion	320.30	300.27	296.45		MTCO <sub>2</sub> E*
Mobile Sources	0	0			MTCO <sub>2</sub> E*
Refrigeration/AC Equipment Use	0	0			MTCO <sub>2</sub> E*
Process/Fugitive (Specify Source):	0	0			MTCO <sub>2</sub> E*
Process/Fugitive (Specify Source):					MTCO <sub>2</sub> E*
Process/Fugitive (Specify Source):					MTCO <sub>2</sub> E*
<b>Total Direct Emissions</b>	<b>320.30</b>	<b>300.27</b>	<b>296.45</b>		<b>MTCO<sub>2</sub>E*</b>
<b>Indirect Emissions</b>					
Purchased Electricity	35.92	31.28	30.36		MTCO <sub>2</sub> E*
Purchased Steam	8,217	7,927	7,207		MTCO <sub>2</sub> E*
Purchased Hot Water	0	0	0		MTCO <sub>2</sub> E*
<b>Total Indirect Emissions</b>	<b>8,252.92</b>	<b>7,958.28</b>	<b>7,237.36</b>		<b>MTCO<sub>2</sub>E*</b>
<b>Optional Indirect Emissions</b>					
Other (Specify):	0	0	0		MTCO <sub>2</sub> E*
Other (Specify):	0	0	0		MTCO <sub>2</sub> E*
Other (Specify):	0	0	0		MTCO <sub>2</sub> E*
<b>Total Optional Indirect Emissions</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>MTCO<sub>2</sub>E*</b>
<b>Offsets</b>					

Other (Specify):					MTCO <sub>2</sub> E*
Other (Specify):					MTCO <sub>2</sub> E*
Other (Specify):					MTCO <sub>2</sub> E*
Total Reductions from Offsets	0.00	0.00	0.00		MTCO <sub>2</sub> E*
Total Emissions Less Offsets	8,573.22	8,258.55	7,533.81		MTCO <sub>2</sub> E*
Supplemental Information					
Total CFC					MTCO <sub>2</sub> E*
Total HCFC					MTCO <sub>2</sub> E*
Total Stationary Combustion Biomass CO <sub>2</sub>					MTCO <sub>2</sub> E*
Total Mobile Sources Biomass CO <sub>2</sub>					MTCO <sub>2</sub> E*
Electricity trading transactions, Electricity Purchase for Resale					kWh

**C.3.c Summarized progress toward goal.**

Actual Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Total Emissions Less Offsets	8,573.22	8,258.55	7,533.81		8,144.55	MTCO <sub>2</sub> E*

Normalized Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	.98	.88			
Total Emissions Less Offsets	8,573.22	8,427.09	8,561.15		n/a	MTCO <sub>2</sub> E*
Basis for your Normalizing Factor:	number of employees					

\* Quantities should be presented in Metric Tons of CO<sub>2</sub> Equivalents (MTCO<sub>2</sub>E).

**C.3.d Please list any other EPA voluntary programs to which you are reporting these data.**

**Progress Towards Other Significant Aspects of your EMS**

In the table below, please provide a narrative summary of progress made toward EMS objectives and targets other than those reported as Environmental Performance Commitments. You may limit the summary to environmental aspects that are significant and towards which progress has been made during the reporting year.

Do you have additional environmental aspects to report? Yes



Environmental Aspect	Progress Made This Year (e.g., quantitative or qualitative improvements, activities conducted)
Air Emissions	Acheived 100% of target. Target: Ensure air emissions generated at the Propulsion Test Facility do not generate significant amounts of NOx, and that all operations are in compliance with the thermal afterburner operation permit.
Solid Waste Generation	Acheived a diversion rate of 61% for recycled material to total non-hazardous waste disposed. Recycling efforts in 2005 diverted 562.36 of solid waste from landfills.
Active Underwater Acoustic Energy Transmisison	Acheived 100% of target for environmental documentation, preparation, and review of at sea testing.

Attachments (if applicable) :

## SECTION D: PUBLIC OUTREACH AND PERFORMANCE REPORTING

### D.1 Please briefly describe the activities that your facility conducted during the year to interact with the community on environmental issues and to report publicly on environmental performance.

NUWC DIVNPT participated in the following community events: Earth Day Clean-up, Bring Your Child To Work Day, America Recycles Day, Local Emergency Planning Committee, State Emergency Response Commission, and Newport Restoration Advisory Board.

### D.2 Please indicate which of the following methods your facility plans to use to make its Performance Track Annual Performance Report available to the public. Please check all that apply.

Web Site

URL: <http://www.npt.nuwc.navy.mil>

**Attachments (if applicable):**

OMB No. 2010-0032

## SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION

The U.S. Environmental Protection Agency is not yet in a position to accept electronic signatures and therefore requests a faxed, signed copy of the Section E page. Please complete Section E online, then print Section E using the link on the Overview page. Section E should be signed by the senior manager of your facility and faxed it to the Performance Track Information Center at (617) 354-0463.

## SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION

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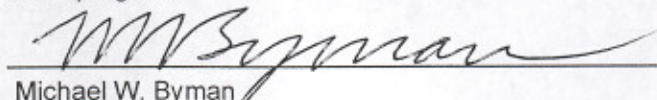
On behalf of Naval Undersea Warfare Center Division, Newport, I certify that:

- I have read and agree to the terms and conditions as specified in the National Environmental Performance Track Program Guide. This facility, to the best of my knowledge, continues to meet all program criteria;
- I have personally examined and am familiar with the information contained in this Annual Performance Report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance; and
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision. I am the senior manager with responsibility for the facility and am fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is part of the National

Environmental Performance Track program.

Signature/Date:

  
\_\_\_\_\_

Name:

Michael W. Byman

Title:

Commander, Naval Undersea Warfare Center

Phone Number:

401-832-3344

E-Mail Address:

bymanmw@npt.nuwc.navy.mil

Facility Name:

Naval Undersea Warfare Center Division, Newport

Facility Street Address:

1176 Howell Street  
Newport, RI 02841

Mailing Address:

Performance  
Track ID#:

A010035